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(54) Title: **PEPTIDE LIGANDS OF THE UROKINASE RECEPTOR**

(57) Abstract

Novel peptides that are capable of binding to uPAR and inhibiting the binding of an integrin and vitronectin are described. Also provided are nucleic acid sequences encoding the novel peptides. Methods for screening for small molecules, other peptides, or peptoids that mimic the antagonistic function of the peptides of the invention are described. The invention has applications in design of therapeutics for treating disorders characterized by upregulation of uPA and uPAR, and cancer and chronic inflammation, cell migration or uPAR: integrin binding interactions, and diagnostic applications to such disorders.

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